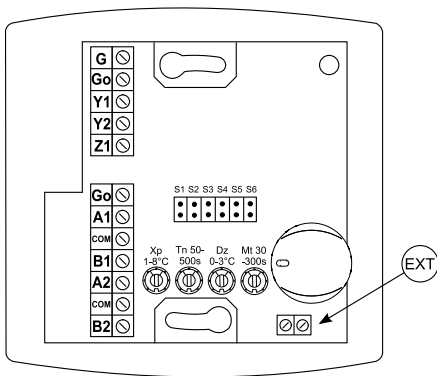## Coding by using jumpers
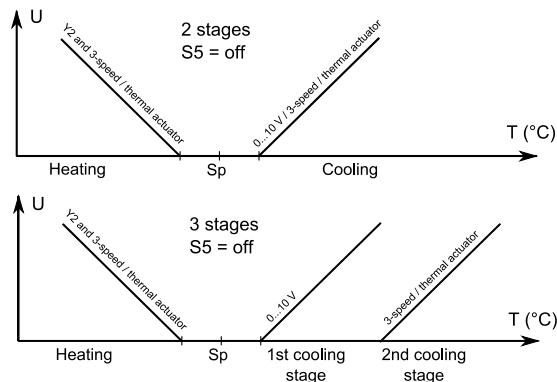
on = closed, off = open

S1	off* on	0…10 V 0…10 V	direct output to the cooling actuator reverse output to the cooling actuator
S2	off* on	0…10 V 0…10 V	direct output to the heating actuator reverse output to the heating actuator
S3	off* on	PI P	control mode (PI controller) control mode (P controller)
S4	off on*	3-speed motor thermal actuator	actuator type selection
S5	off on*	1-stage cooling 2-stage cooling	number of cooling stages
S6	off on*	I first II first	Y1 (0…10 V) cooling output works first 3-speed/thermal actuator cooling output works first

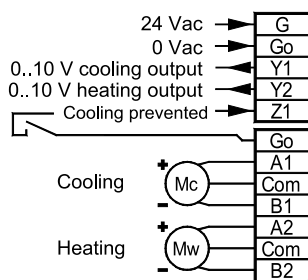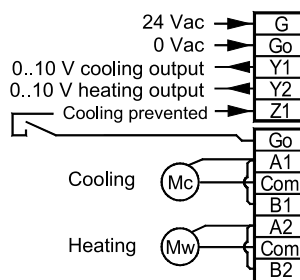## Wiring terminals, trimmers, coding

Stages

Connecting actuators

3-speed and 0...10 V motors

Thermal actuators and 0...10 V motors

Things to be taken into account during commissioning

1. while changing trimmer positions or other settings, the setting values are shown on the HLS 33-N display (a display can be connected also temporarily for the commissioning procedure)
2. When the 3-speed output is in the control area edge, the output is driven against the edge for 5 seconds every 5 minutes
3. after a power failure, the 3-speed output is driven for 1,5 x running time to close the valve and to determine the position
4. if the cooling is prevented but the cooling is still needed, the green indicator light flashes every 30 seconds

NOTE: Block the air flow coming through the cable protection tubes.